

Effect of P-5-P and aspirin alone or in combination on mortality

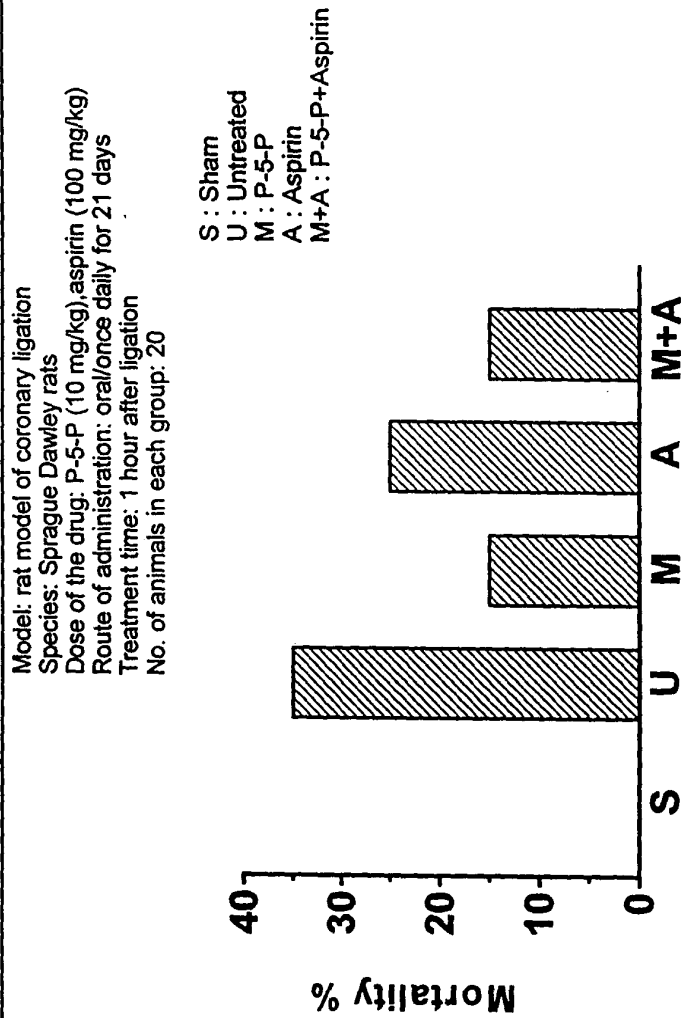


Figure 1

Effect of P-5-P and captopril alone or in combination on mortality

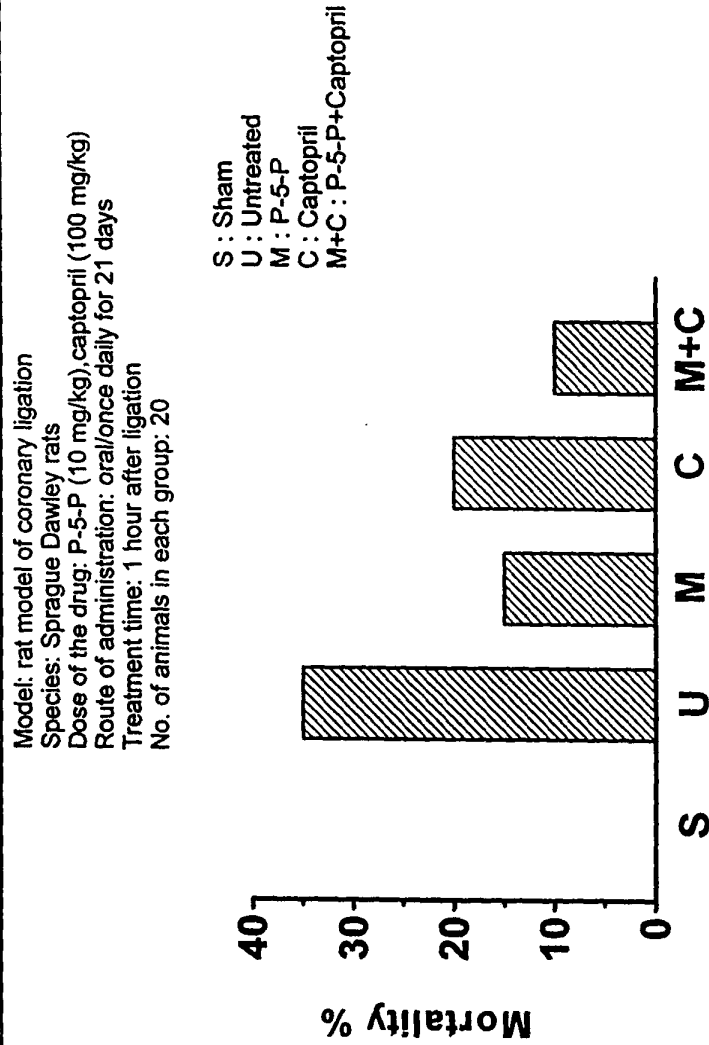


Figure 2

Effect of P-5-P and propranolol alone or in combination on mortality

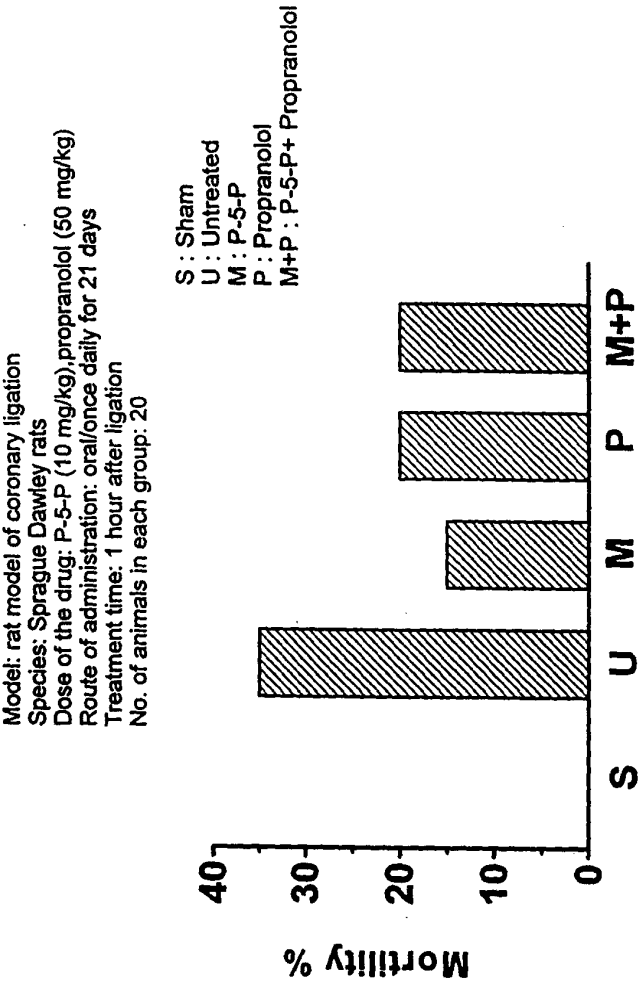


Figure 3

Effect of P-5-P and verapamil alone or in combination on mortality

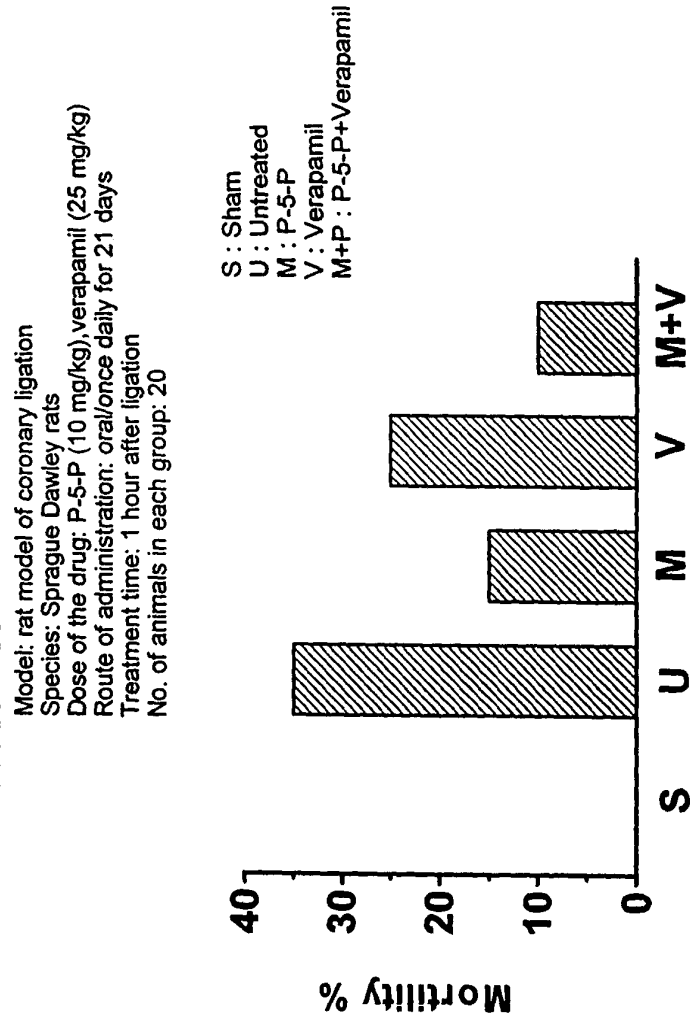


Figure 4

Effect of P-5-P and aspirin alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time : 1 hour after ligation
No. of animals in each group: 5-6

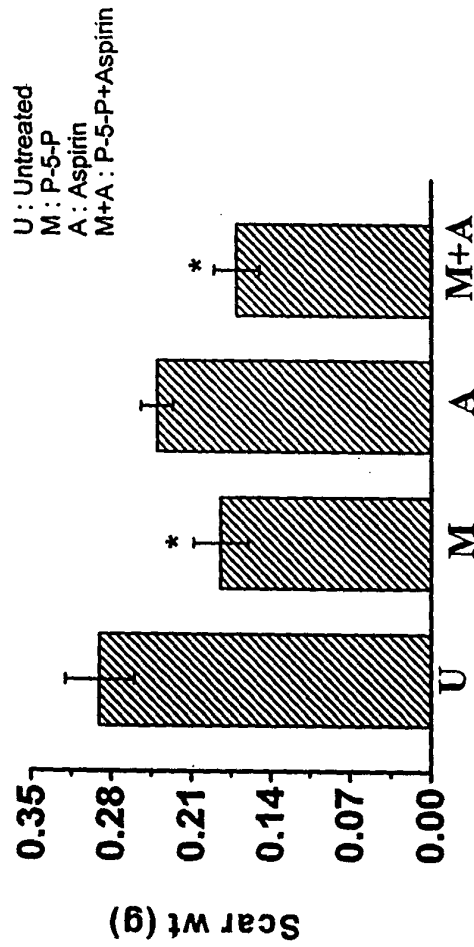


Figure 5

*P<0.05 significantly different from untreated and aspirin group

Effect of P-5-P and captopril alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg); Captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

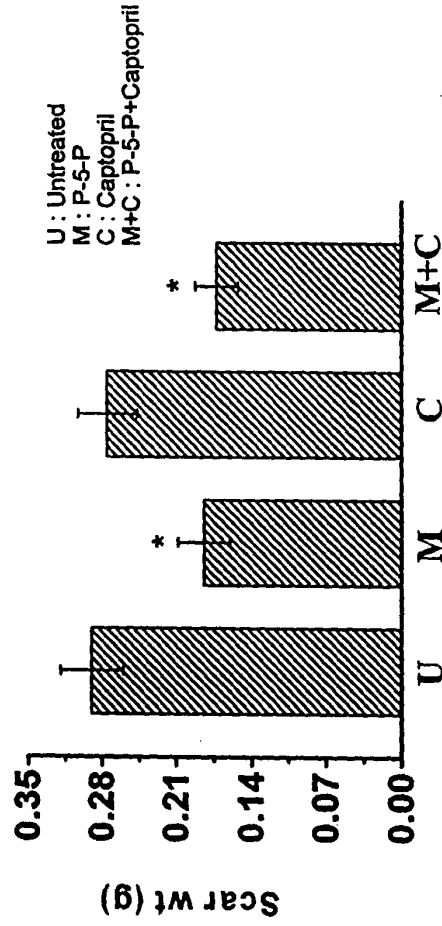


Figure 6

*P<0.05 significantly different from untreated and captopril group.

Effect of P-5-P and propranolol alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

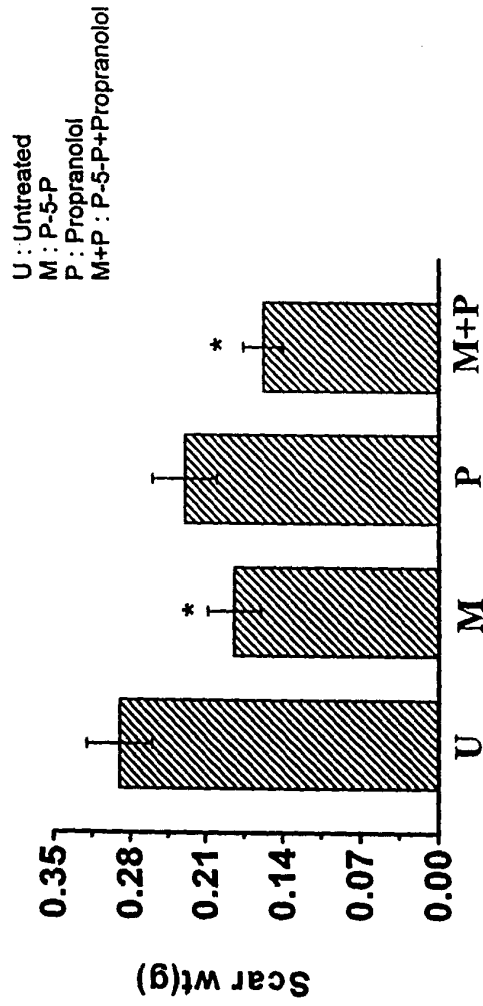
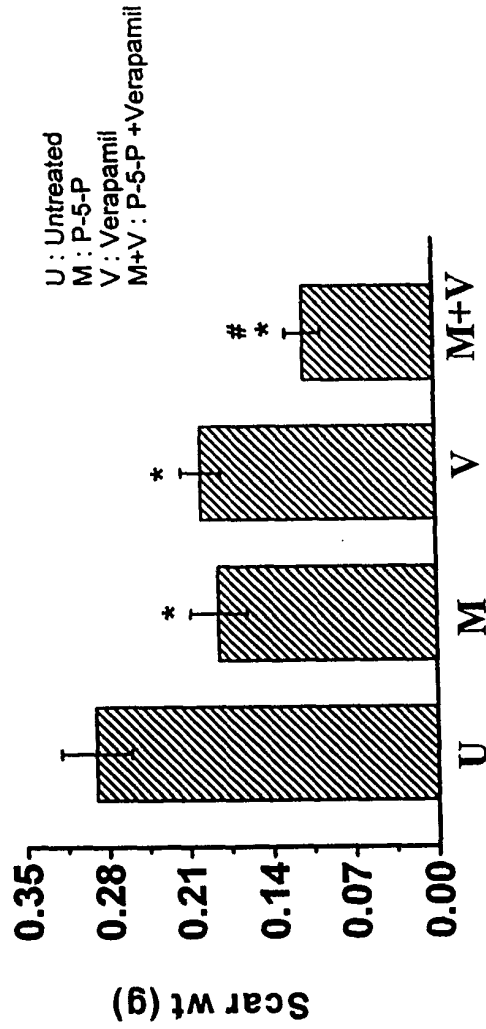


Figure 7

*P<0.05 significantly different from untreated group

Effect of P-5-P and verapamil alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment start time: 1 hour after ligation
No. of animals in each group: 5-6

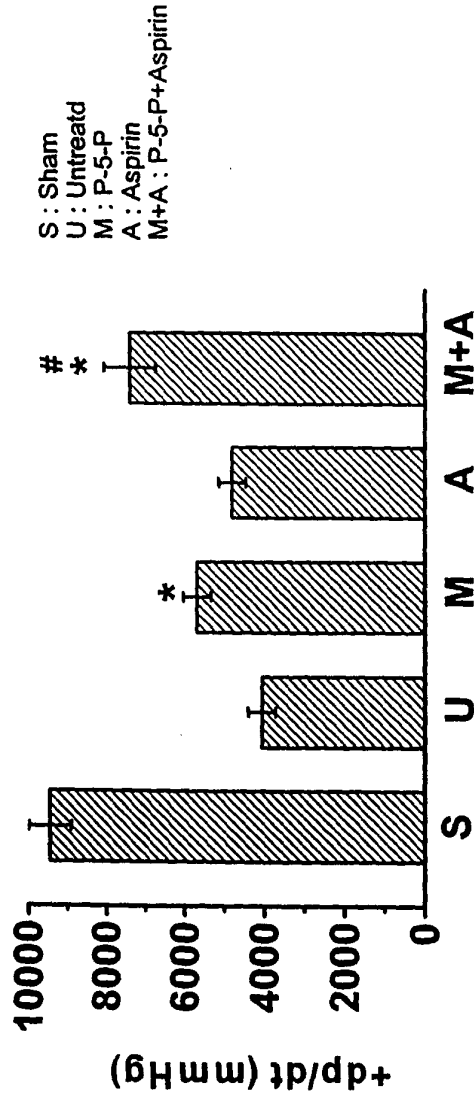


*P<0.05 significantly different from untreated group.
#P<0.05 significantly different from P-5-P and verapamil groups

Figure 8

Effect of P-5-P and aspirin alone or in combination on rate of force of contraction (+dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: Oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

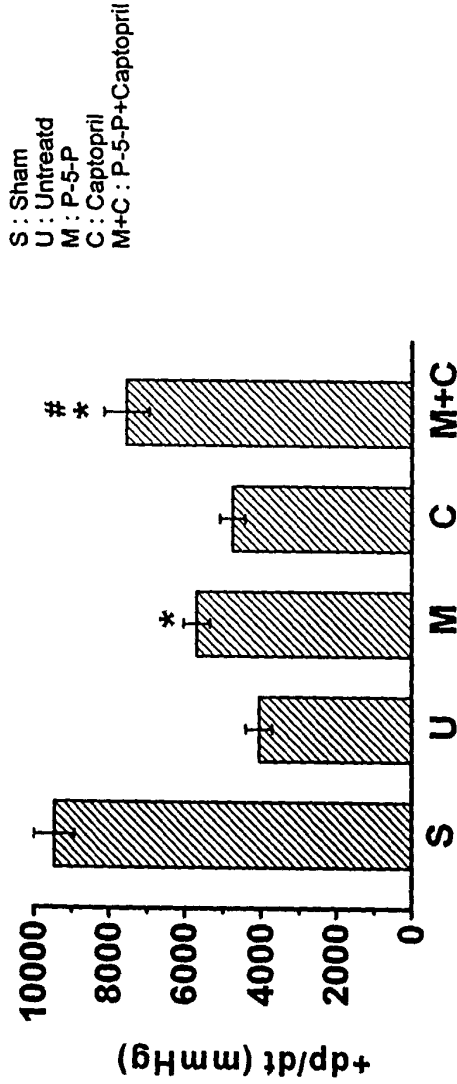


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 9

Effect of P-5-P and captopril alone or in combination on rate of force of contraction (+dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment start time: 1 hour after ligation
No. Of animals in each group: 5-6

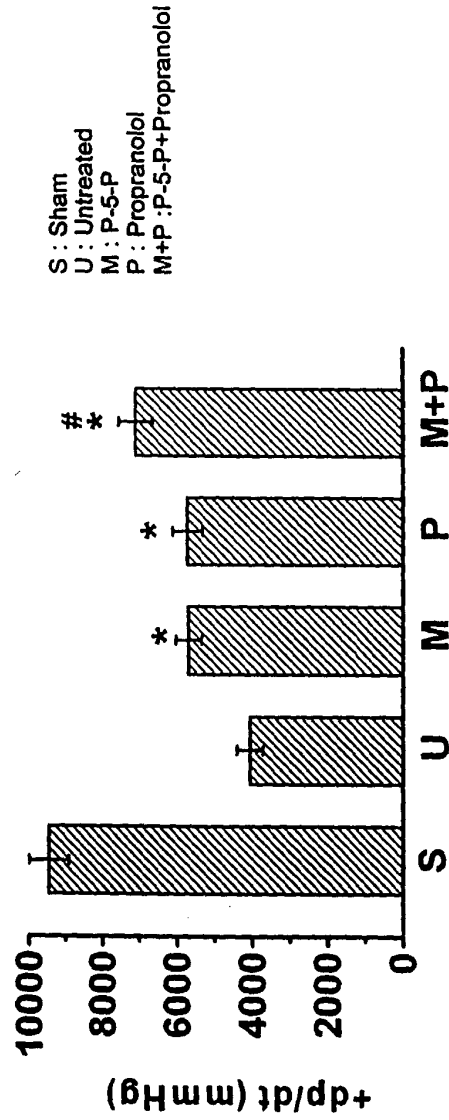


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 10

Effect of P-5-P and propranolol alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

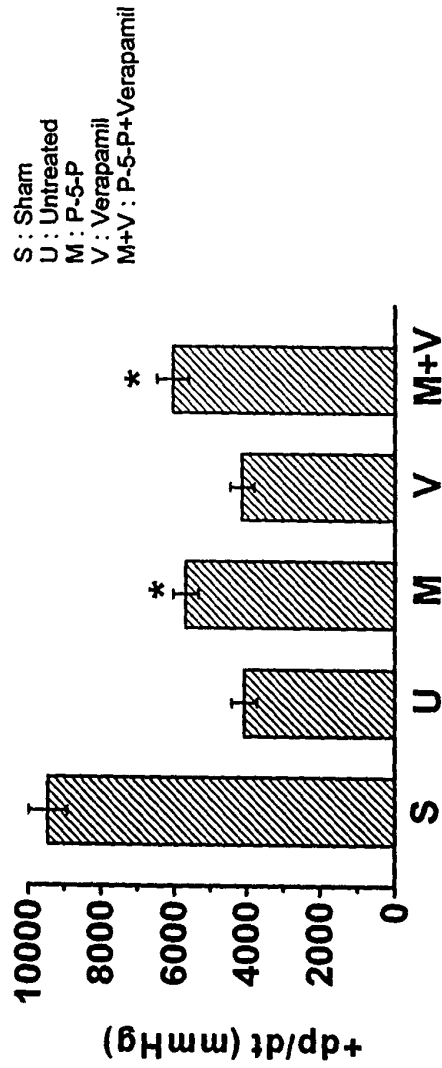


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 11

Effect of P-5-P and verapamil alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 12

Effect of P-5-P and aspirin alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

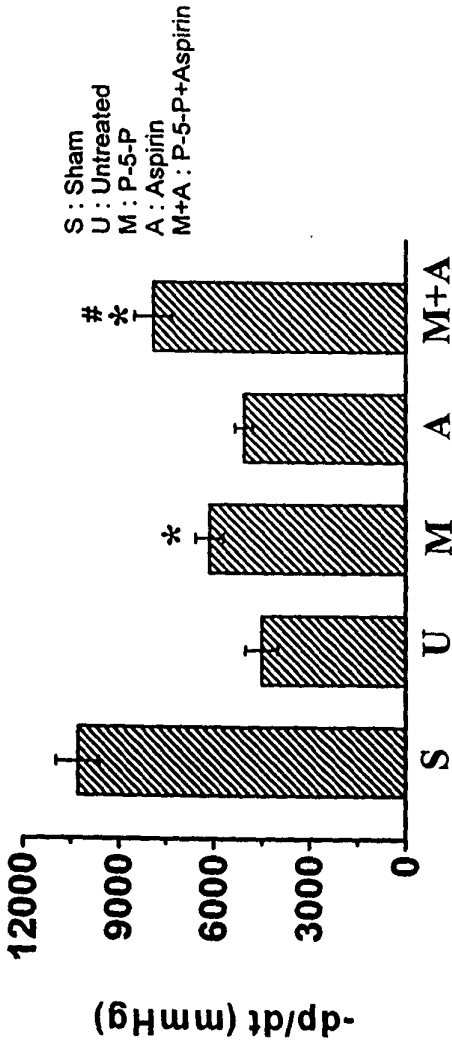
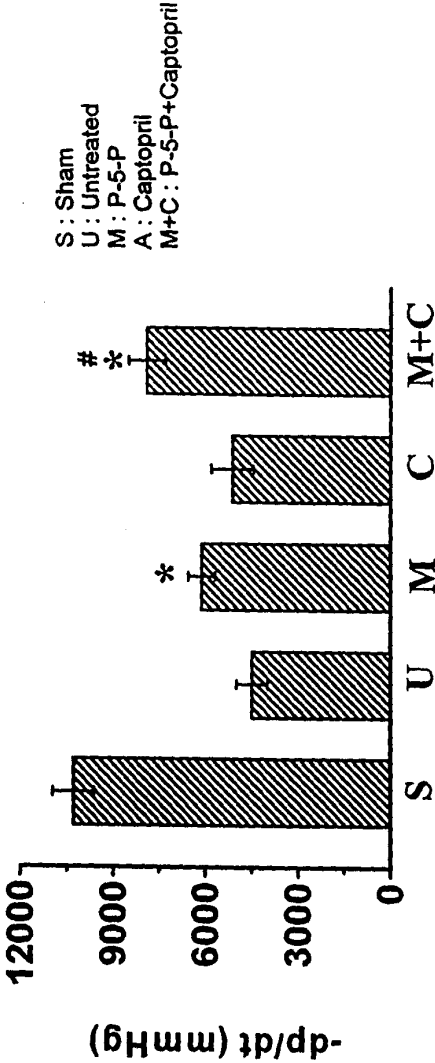


Figure 13

*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Effect of P-5-P and captopril alone or in combination on rate of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

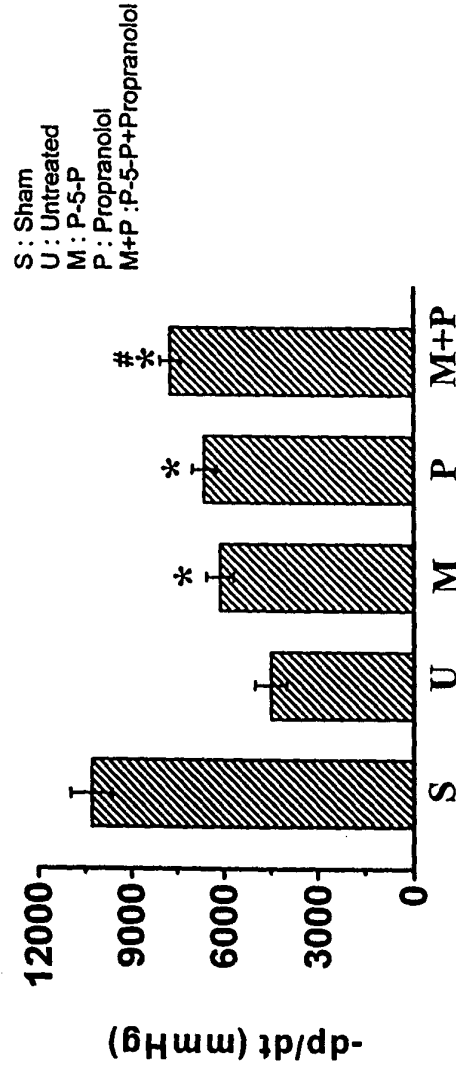


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 14

Effect of P-5-P and propranolol alone or in combination on rate of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

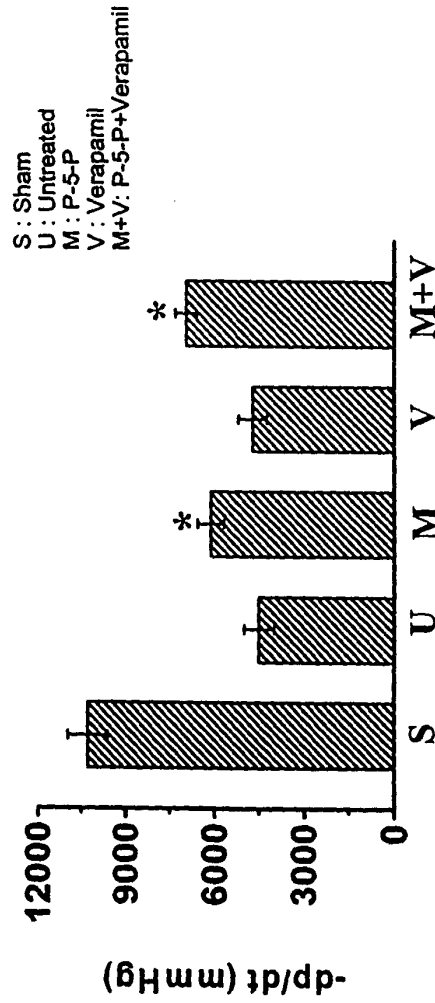


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 15

Effect of P-5-P and verapamil alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 16

Effect of P-5-P and aspirin alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

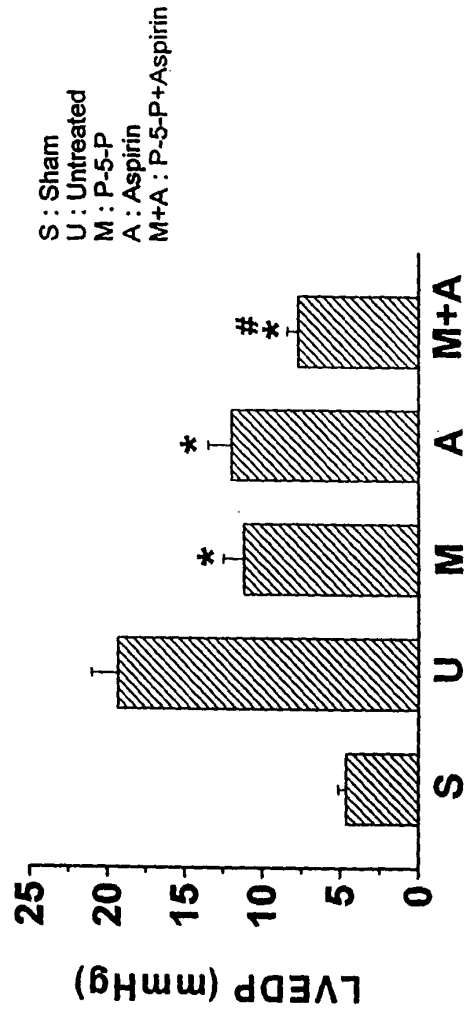
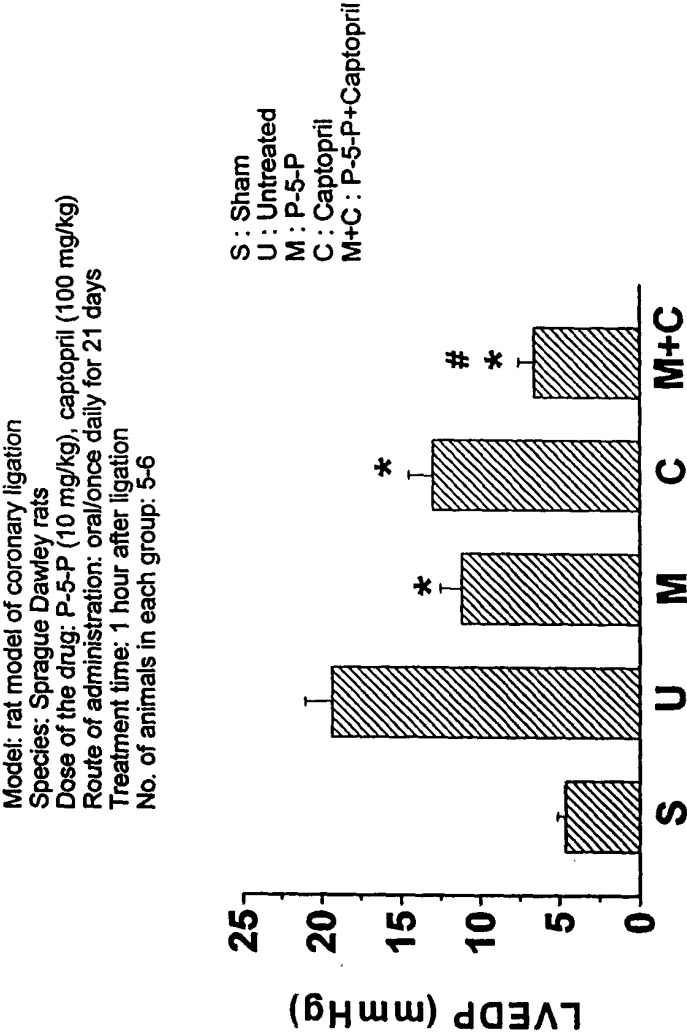


Figure 17

*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Effect of P-5-P and captopril alone or in combination on left ventricular end diastolic pressure (LVEDP)



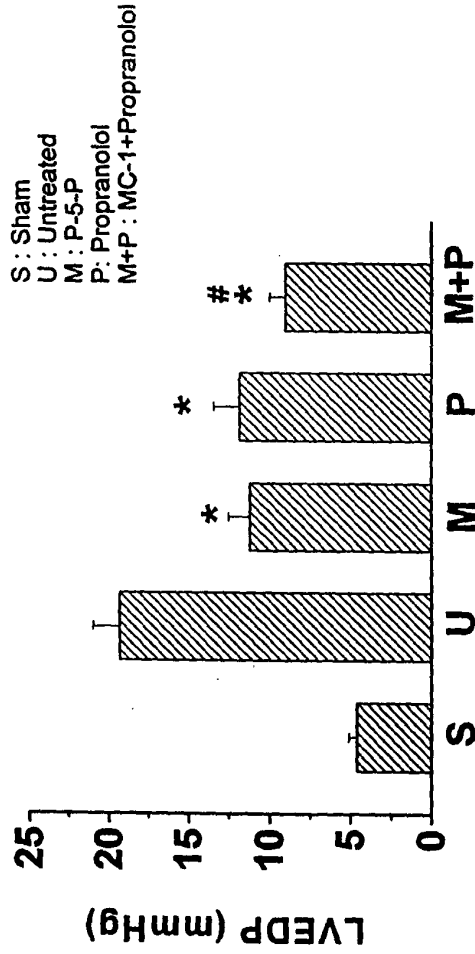
*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 18

Effect of P-5-P and propranolol alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

S : Sham
U : Untreated
M : P-5-P
P : Propranolol
M+P : MC-1+Propranolol

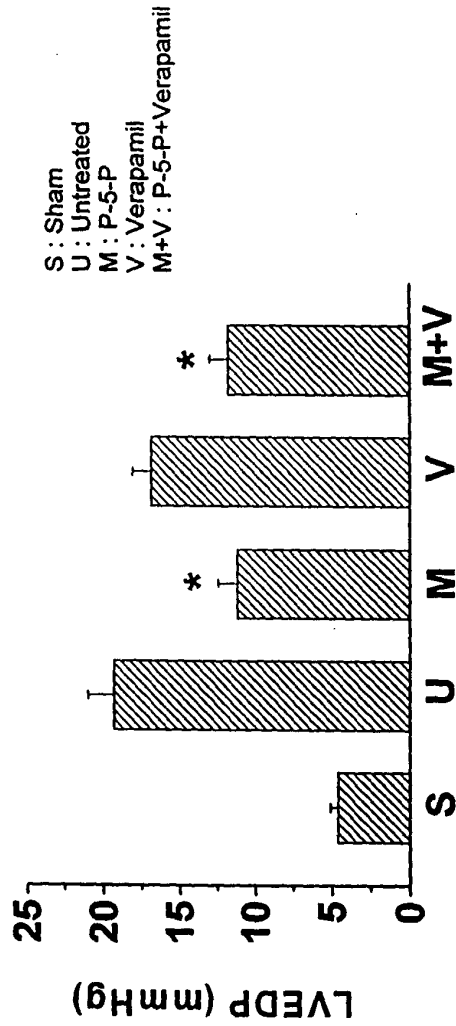


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 19

Effect of P-5-P and verapamil alone or in combination on left ventricular end diastolic pressure (LVEDP)

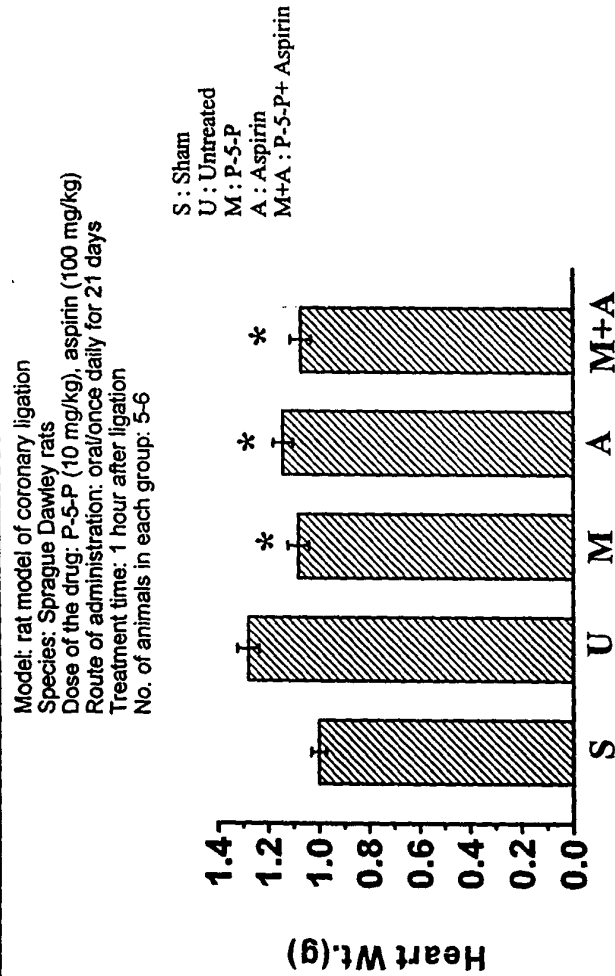
Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 20

Effect of P-5-P and aspirin alone or in combination on heart weight



*P<0.05 significantly different from untreated group

Figure 21

Effect of P-5-P and captopril alone or in combination on heart weight

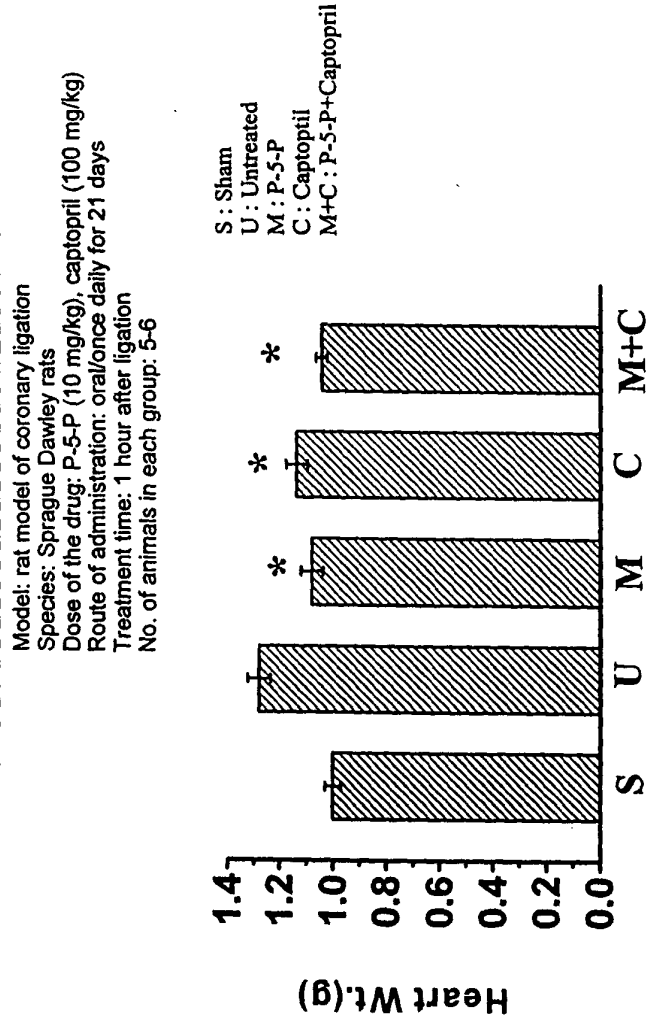


Figure 22

*P<0.05 significantly different from untreated group

Effect of P-5-P and propranolol alone or in combination on heart weight

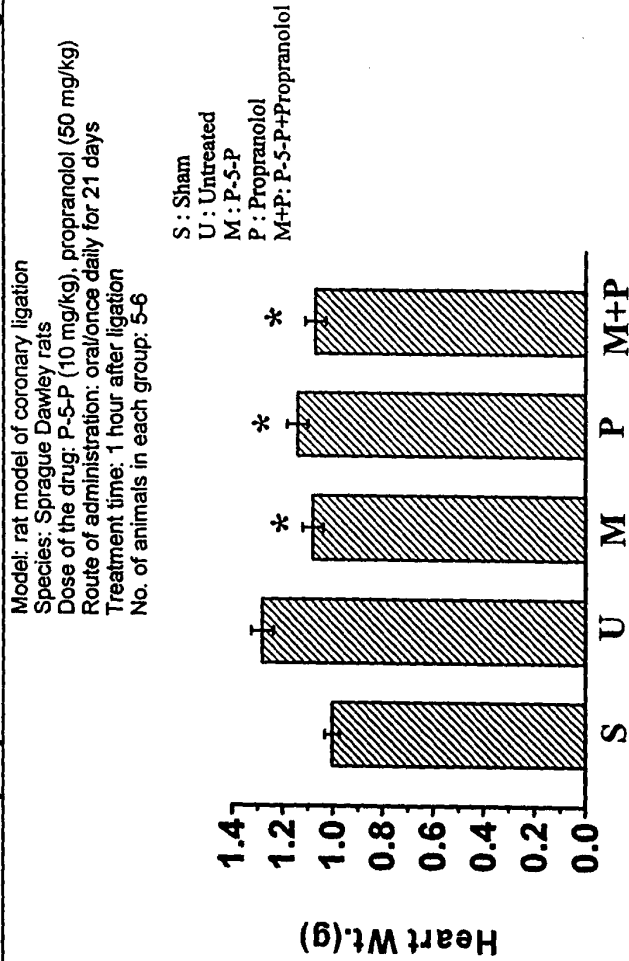


Figure 23

*P<0.05 significantly different from untreated group

Effect of P-5-P and verapamil alone or in combination on heart weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

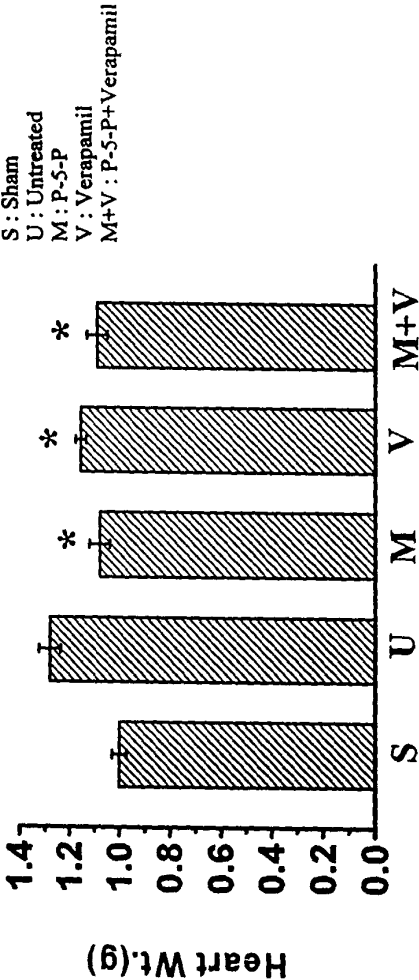
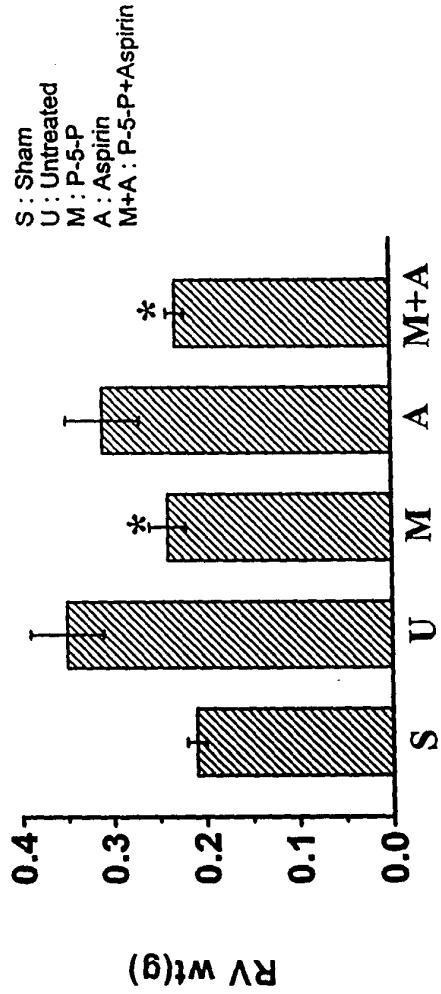


Figure 24

*P<0.05 significantly different from untreated group

Effect of P-5-P and aspirin alone or in combination on right ventricular weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 25

Effect of P-5-P and captopril alone or in combination on right ventricular weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

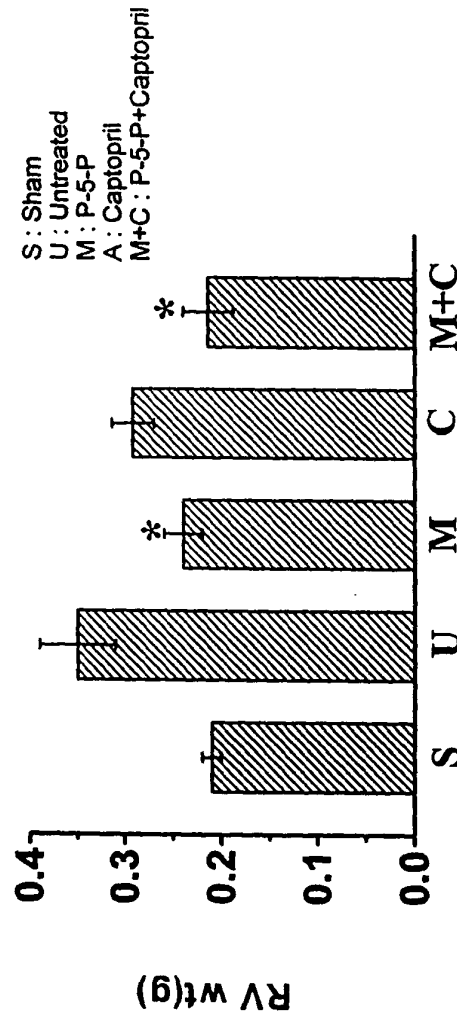
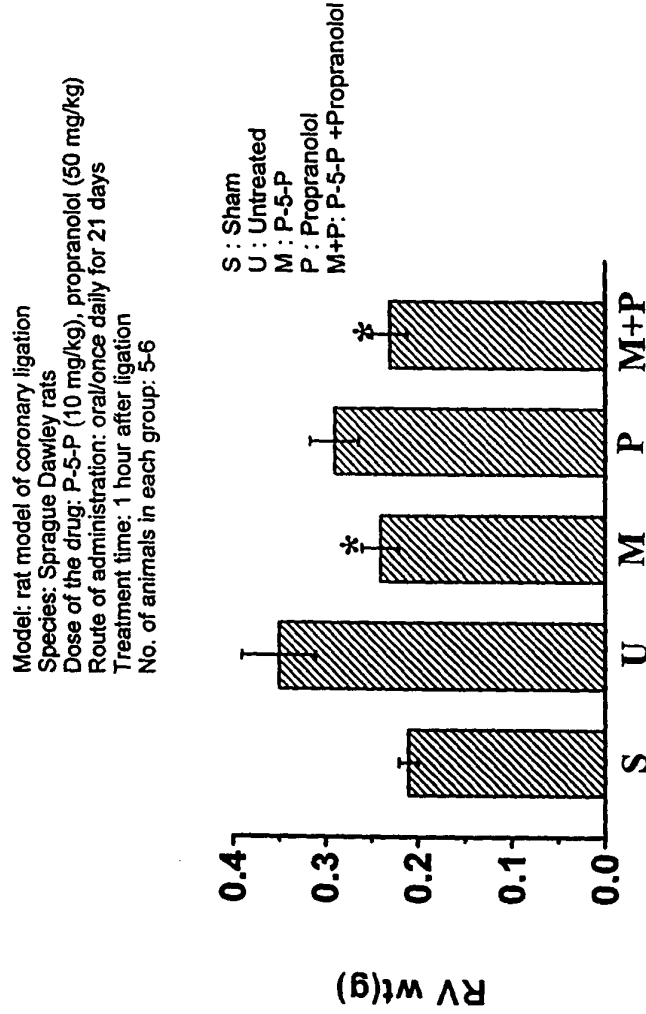


Figure 26

*P<0.05 significantly different from untreated group

Effect of P-5-P and propranolol alone or in combination on right ventricular weight



*P<0.05 significantly different from untreated group

Figure 27

Effect of P-5-P and verapamil alone or in combination on right ventricular weight

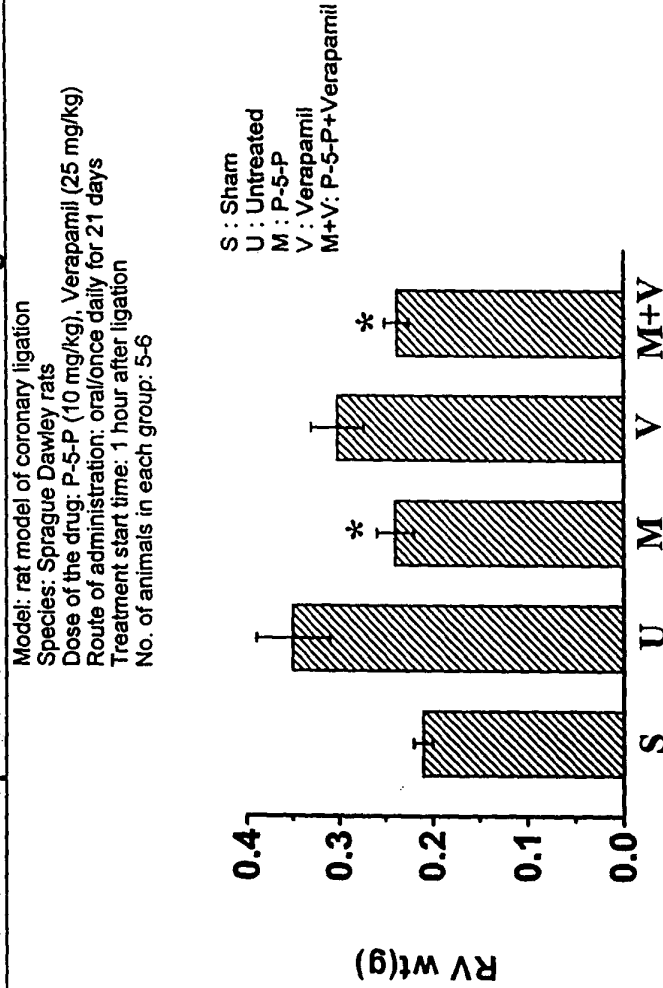


Figure 28

*P<0.05 significantly different from untreated group

Systolic Blood pressure in rats from all groups (1 week pretreatment) at "0" day

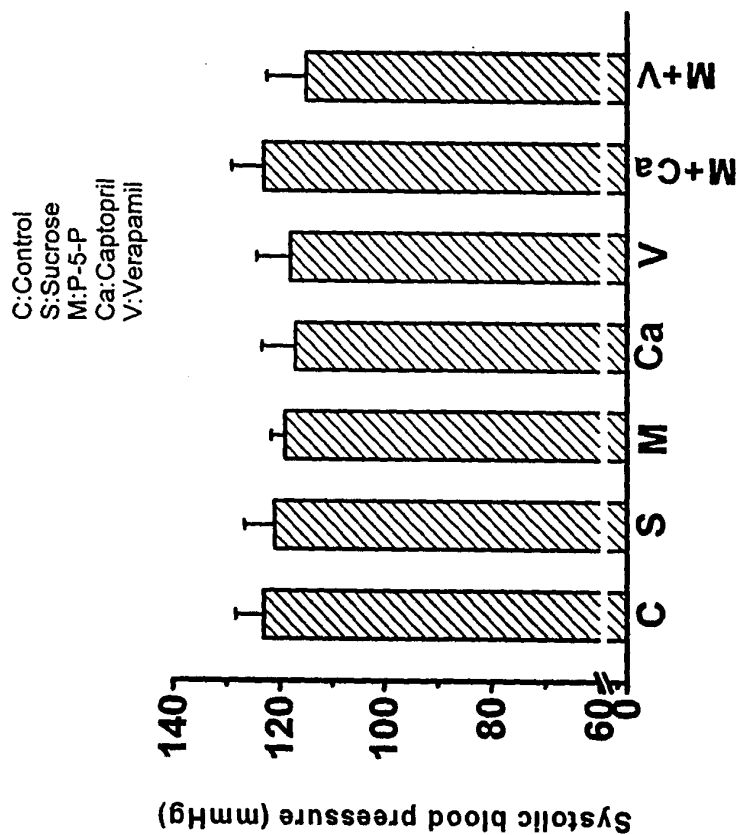


Fig. 29A

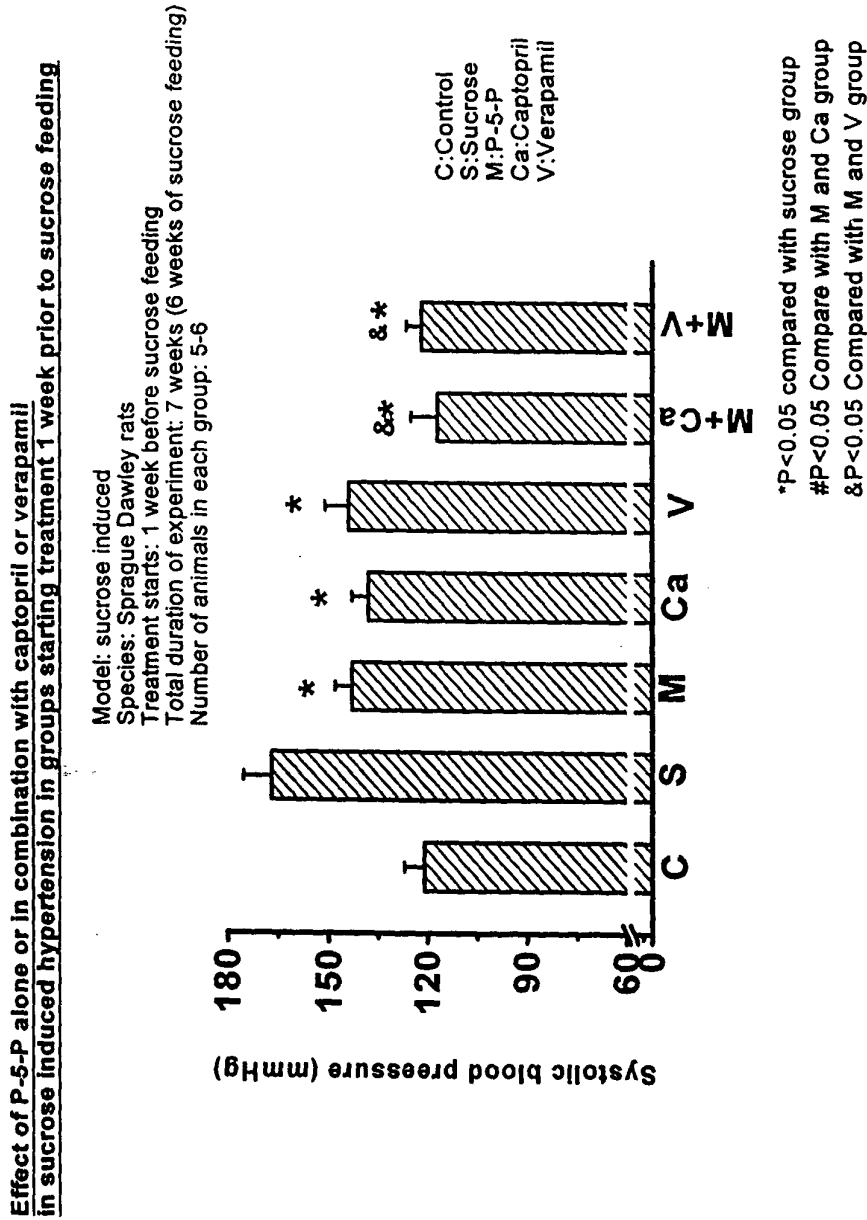


Fig. 29B

Systolic blood pressure in rats from all groups (same day treatment as sucrose feeding)
at "0" day

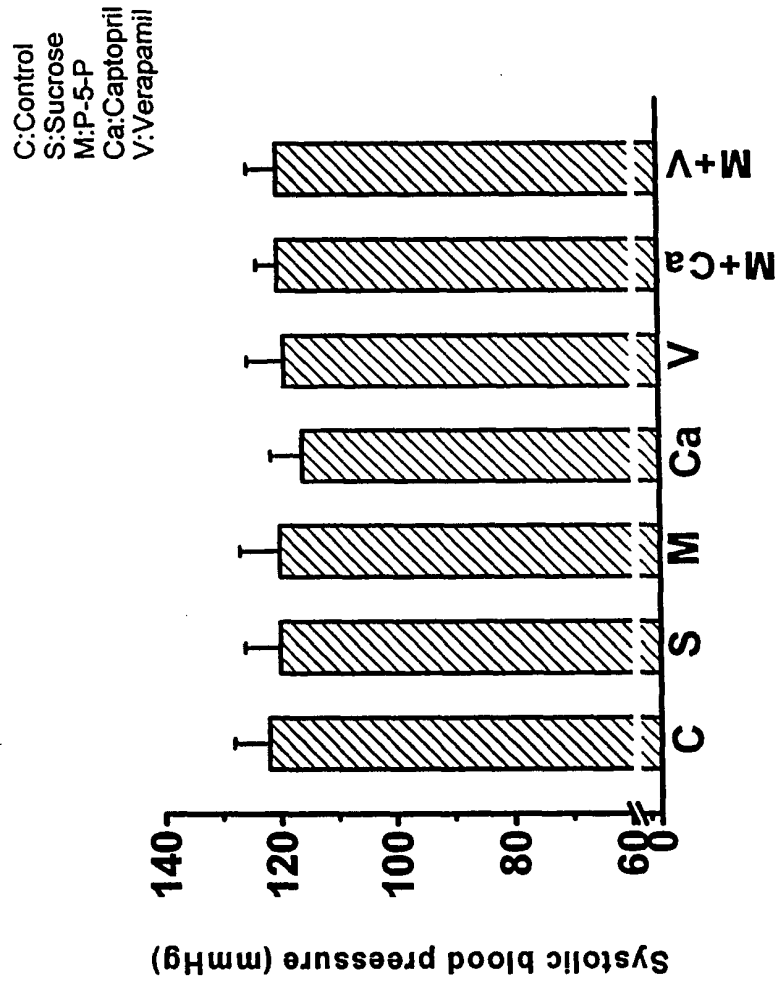
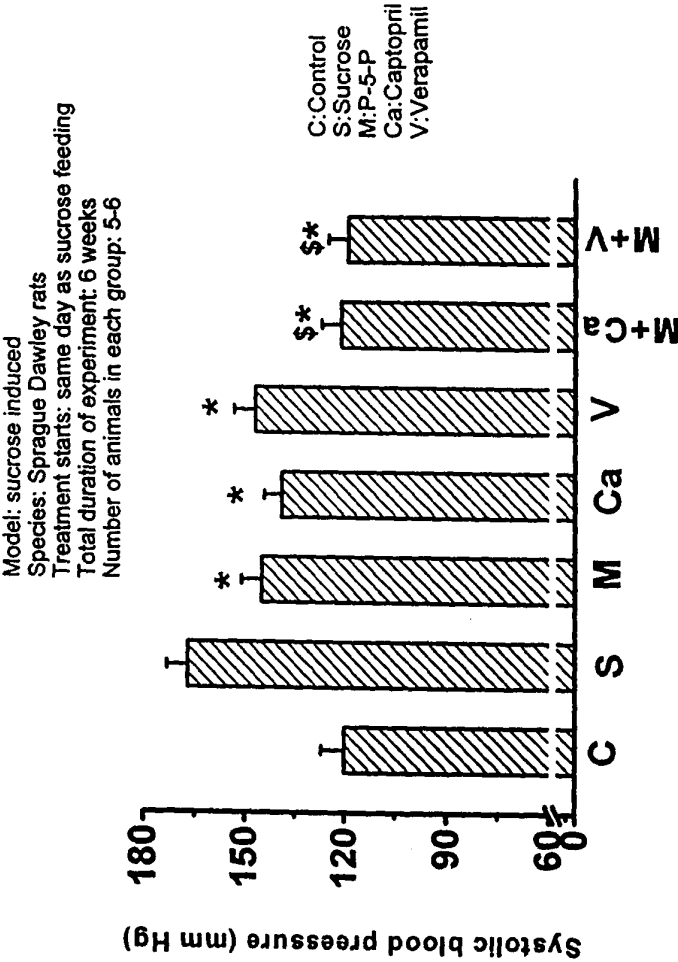


Fig. 30A

**Effect of P-5-P alone or in combination with captopril or verapamil
in sucrose induced hypertension in groups starting treatment same day as sucrose feeding**



*P<0.05 Compared with sucrose group
#P<0.05 Compare with M and Ca group
\$P<0.05 Compared with M and V group

Fig. 30B

Systolic blood pressure in rats from all groups (2 weeks after feeding) at "0" day.

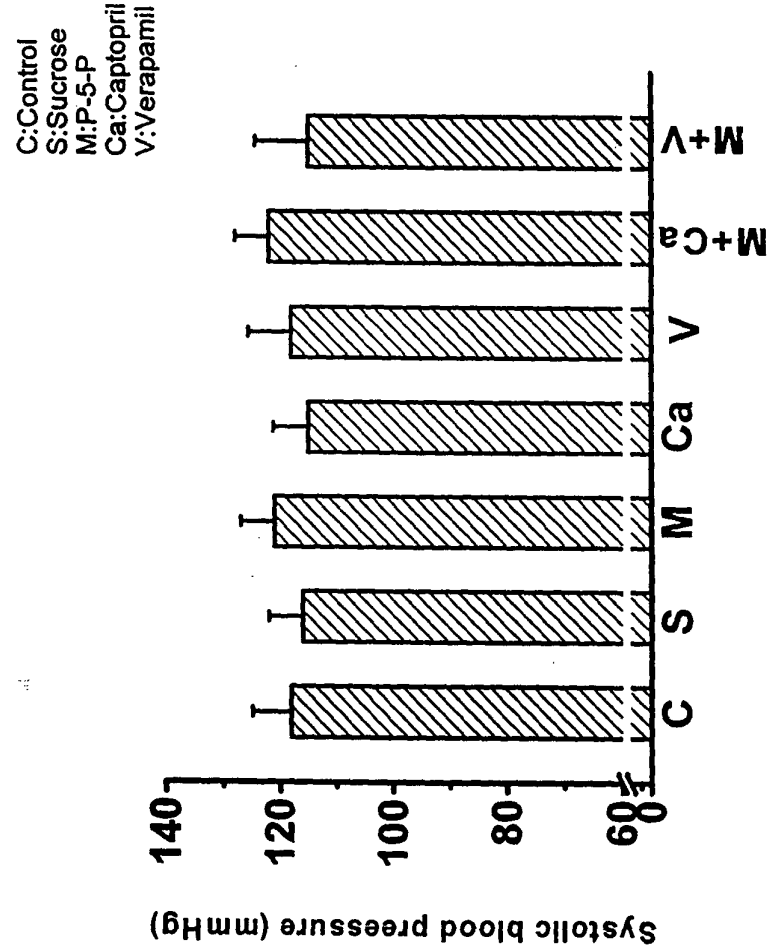
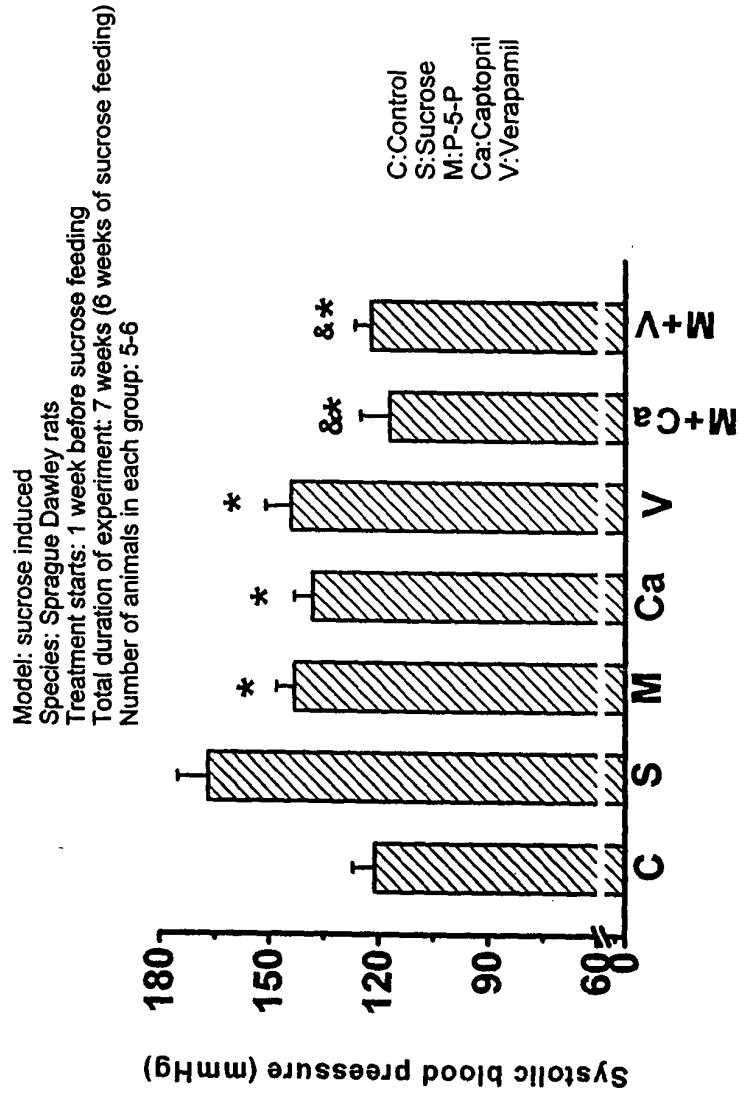


Fig. 31A

**Effect of P-5-P alone or in combination with captopril or verapamil
in sucrose induced hypertension in groups starting treatment 1 week prior to sucrose feeding**



*P<0.05 compared with sucrose group
#P<0.05 Compare with M and Ca group
&P<0.05 Compared with M and V group

Fig. 31B